

Thank You!!



CLEAN WATER SoCAL
CREATING SUSTAINABLE SOLUTIONS

TerraVerde
ENERGY

Committee Day Update – April 22, 2026



EARTH DAY
April 22

Agenda

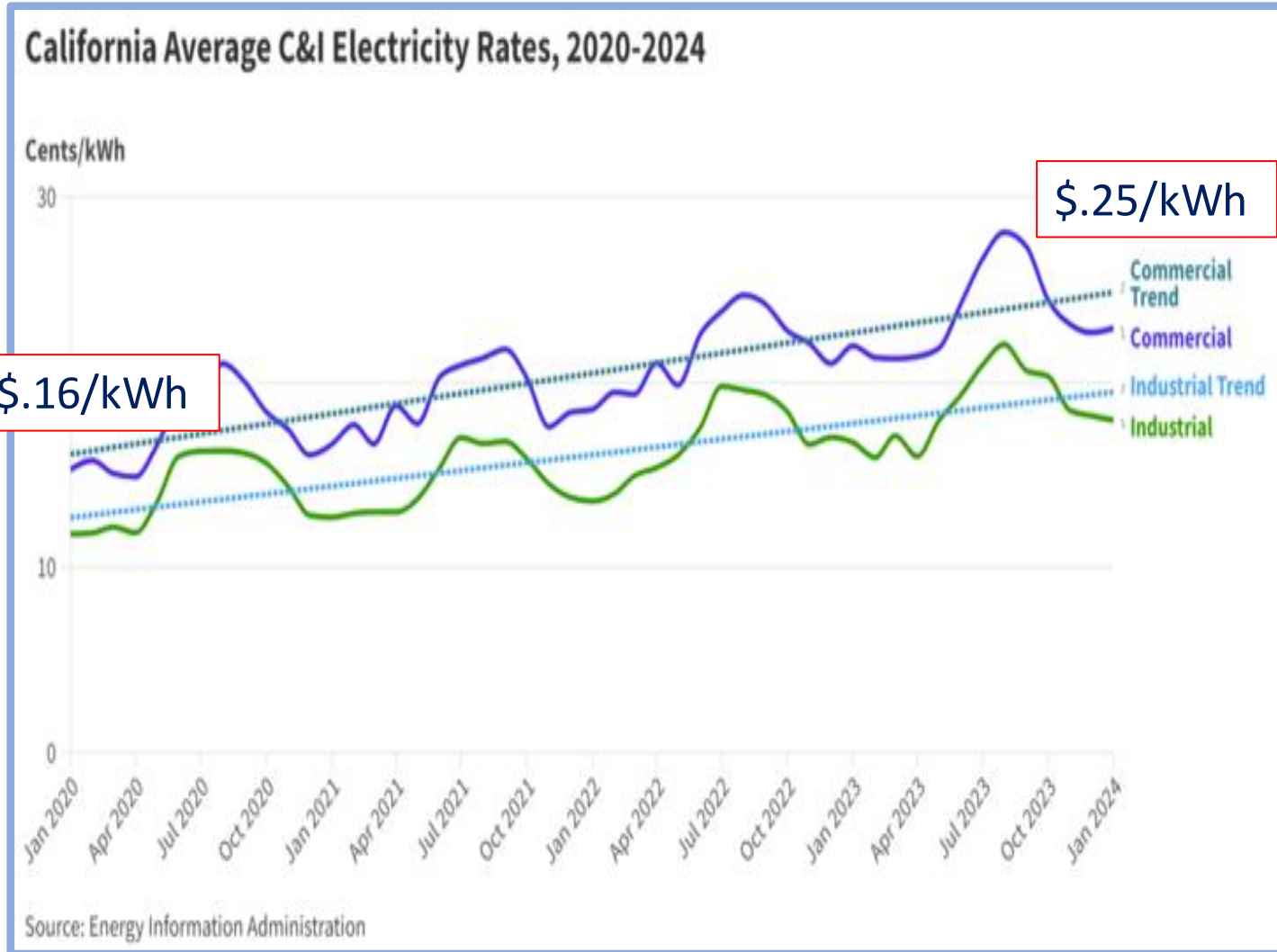
1. Utility Rate Increases
2. PSPS
3. IRA/ITC
4. ACF
5. DWR
6. ACWA



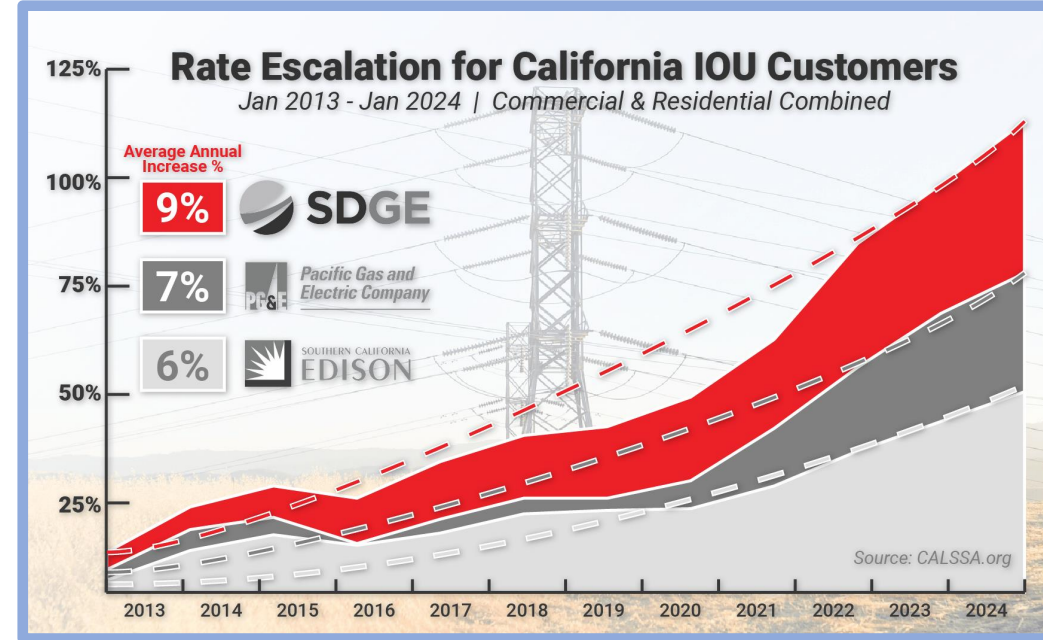
The background features a photograph of a house and an electric car, overlaid with a semi-transparent grid pattern. The house is on the left, and the car is on the right. The overall color scheme is a mix of teal and blue.

Electric Utility Rate Increases

2020 to 2024, utility rates increased by 50%



10 year PG&E Avg. Escalation = 7%/yr



Compare to California COLA range of 2% to 3.4%



2024/5 ~9%

2026 ~13%



2024/5 ~10%

2026 ~10%



2024/5 ~7% - ~23%

2026 ~6% - ~20%
DA/CCA



PSPS

TerraVerde
ENERGY

PSPS Events - More frequent and longer

FPI AND WINDSPEED CRITERIA REFINEMENTS

- Updated application of FPI when broader fire weather concerns identified
- When new FPI criteria applied, suggests 20-40% more PSPS activation days and event size is up to twice as large in 2025 assuming similar weather to 2024
- Refined application of windspeed discount factors

NEW HFRA CIRCUITS AND EXPANDED BOUNDARIES

- 32 new circuits and ~47,000 more customer accounts now in HFRA and in scope for PSPS
- Expanded precautionary boundaries around HFRA; up to ~123,000 more customer accounts could be in scope for PSPS
- Includes areas and customers that have not experienced PSPS in the past

24/7 MONITORING AND ALERT SYSTEM

- Capturing unexpected weather (outside of current PSPS activation) meeting PSPS de-energization thresholds
- Circuits could be de-energized immediately at any time, day or night
- IMT activation and notifications would follow



IRA / ITC
NEM2

TerraVerde
ENERGY

End of an IRA

- 30% to 50% “rebate” from IRS/Treasury
- July 4th, 2026: Deadline for solar “Begin Construction” = 4 years to construct. Or, complete solar before January 1, 2028.
- Battery Storage (Lgens if ø GHG) remains eligible through 2033
- FEOC >> 52% minimum domestic cell content by cost.

End of NEM2 >> NBT (Net Billing Tariff)

- Near zero \$\$value for grid exports
- Onsite generation for onsite consumption = retail \$\$value
- Battery Storage = energy and demand \$\$cost arbitrage > resilience
- Other dispatchable generators > Lgen, recip, etc

CARB/ACF

Public Agency emissions are less than 7% of CA total inventory

The Good

- 50% ZEV purchase requirement is 2030
- [Streamlined ZEV Purchase Exemption List](#): digger derricks, combination vacuum-jetter trucks, jetter trucks, and Class 2b and 3 pickup trucks
- Exemption requests submittal is 45 days (vs 1 year) before compliance deadline
- Mutual Aid Assistance is a Fleet Resilience Exemption and reduces ZEV requirements
- More criteria for evaluating ZEV availability, more rigor to determine viable ZEVs.

The Bad

- “Hired Entities” Poses Significant Risks to Public Agencies
- Captive Biofuel Use Exemption
 - New eligibility criteria
 - Records requirements may disqualify wastewater facilities
 - Only for Milestones Option
- Low-NOx ICE Vehicle Definition Is Too Vague
- Rural Low-Population Wastewater Facilities Remain at High Risk

The Next

- CARB staff review comments: 2-3 weeks
- CASA and other associations follow up with CARB Board requesting a second round of 15-Day Changes with Board review and approval.
- CASA and other associations meet with the Executive Officer and Mobile Source Control Division Chief.

The Next

• 10-Year Scope


- (17) 7-19 kW AC “Level 2” units
- (4) 200A at 208 or 480V at 100A DC units
- (1) 300-600A at 480V DC “contingency” unit
- Consider (for this and other sites):
 - Single “L2” breaker rating e.g., 80A
 - Centralized load-management system, to reduce total capacity requirement (e.g., PowerFlex, Mobility House, SWTCH or similar)


Expected EVs (Excludes Take-Home and Expected Exemptions)

Unit	Description	Chosen Yr.	Long DC mi.	Long DC kWh	kW Req.
8636	2000 Ford F250 Pickup (Class 2b)	2024	125	52	6.7 kW
9056	2002 Ford F350 Utility (Class 2b)	-	100	53	6.7 kW
9860	2007 Dodge 2500 Pickup (Class 2b)	2027	100	63	6.7 kW
9747	2007 Chevrolet 3500 Utility (Class 2b)	-	100	106	13.3 kW
10610	2015 Ford F250 Pickup (Class 2b)	-	200	-	-
10611	2015 Ford F250 Pickup (Class 2b)	-	200	-	-
9993	2008 Ford F250 Pickup (Class 2b)	2028	100	-	-
10016	2008 Chevy 2500 4-Dr Pickup (Class 2b)	-	100	-	-
9906	2008 Ford F350 Utility (Class 3)	-	100	-	-
9912	2008 Ford F350 Flat or Stake (Class 3)	-	100	-	-
9904	2008 Ford F550 Utility (Class 5)	-	100	-	-
10098	2009 Dodge 2500 Pickup (Class 2b)	2029	100	-	-
10730	2016 Ford F250 Pickup (Class 2b)	2030	200	-	-
10997	2019 Ford F250 Utility (Class 2b)	-	200	-	-
10356	2011 Ford F250 Pickup (Class 2b)	2031	125	-	-
11021	2020 Ford F250 Pickup (Class 2b)	-	200	-	-
10359	2011 Ford F350 1-Yd Dump (Class 3)	-	100	-	-
10283	2011 Kenworth T370 Tank (Class 7)	-	125	-	-
10415	2012 Ford F350 1-Yd Dump (Class 3)	2032	175	-	-
10531	2013 Ford F550 Utility (Class 5)	2033	125	-	-
10495	2014 Peterbilt 384 Low Trailer (Class 8)	2034	125	-	-

Phase

1

 Trenching, conduit...

 EVSE installation

EVSE quantity and rating to be validated against most recent vehicle replacement schedule at the time 100% designs are finalized.

Assumptions: 8627 and 10000 are replaced with conventional vehicles compliance year as Units 8636 and 9056 are replaced with ZEVs

Add in 2029: 10003 Kenworth T370 C



- CARB ACF Proposed Amendments
- CASA ACF Comment Letter
- TerraVerde Comment Letter





DWR 2028 Water Plan
&
ACWA Spring Conference

CALIFORNIA WATER PLAN 2028



Advisory Committee Members

Aaron Fukuda
General Manager
Tulare Irrigation District

Alex Biering
Director of Policy Advocacy
California Farm Bureau

Ali Chehrehfaz
Chief Executive Officer
TerraVerde Energy

Anja Raudabaugh
Chief Executive Officer
Western United Dairies

Craig Miller
Board President
California Municipal Utilities Association

General Manager
Western Municipal Water District

David Guy
President
Northern California Water Association

Grant Davis
General Manager
Sonoma County Water Agency

Heather Dyer

Lisa Haney
Executive Director of Planning
and Natural Resources
Orange County Water District

Marwan Khalifa
Interim Executive Director
Association of California Water Agencies

Mary-Ann Warmerdam
Senior Vice President
of Government Affairs
*Rural Counties Representatives
of California*

To desalinate 9 million-acre feet of sea water would require 20 GW of solar (45% of CA current total solar) covering about 188 square miles plus about 150 GWh battery (2.5x US total battery installed) covering about 1.6 square miles.



Bringing Water Together

May 5, 6, 7
Sacramento



Join us ...



ACWA
FOUNDATION



May 5, 2026
6:30 to 7:30 p.m.

Hyatt Regency Capital Room
1209 L Street - Sacramento
Beer, wine and bites



Thank you to our Sponsors:

Edgar Dymally, ACWA Foundation Board of Trustees





TerraVerde
ENERGY

We solve energy puzzles.

Tony Pastore | Principal Advisor
tony@terraverde.energy